

AMENDMENT TO THE CLAIMS

1. (Previously Presented) In a processor system for processing an object supported on a tray that moves in and out of a processing station, the improvement comprising a rotatable roller positioned a selected distance spaced above an upper surface of the tray such that the roller clears a properly positioned object on the tray, and aligned with the path of the object as the tray moves in and out of the processing station, the selected distance positioning the roller to be intercepted by an object on the tray at a position other than the proper position and rotated as the tray moves to the processing station, and a sensor to sense rotation of the sensing roller and provide a signal indicating rotation of the roller.

2. (Canceled)

3. (Previously Presented) The processor system of claim 1, wherein the object is a flat substrate and said tray has a recess for receiving the substrate for transporting the substrate into and out of the processing station, and wherein the selected distance is such that the roller clears the substrate when the substrate is positioned in the recess.

4. (Previously Presented) The processor system of claim 1, wherein there is a shaft mounting the roller and the shaft extends across the tray.

5. (Previously Presented) The processor system of claim 4 wherein the processing station is in a housing having spaced side walls, and wherein the shaft extends between the side walls, and wherein the tray is positioned between the side walls.

6. (Previously Presented) The processor system of claim 1, wherein there is a shaft supporting the sensing roller, and wherein the sensor comprises an encoder coupled to the shaft to indicate rotation of such shaft.

7. (Previously Presented) The processor system of claim 6, wherein said encoder comprises a rotating disc that rotates with the shaft, and a member that is mounted on a housing forming part of the processor system and which member provides a signal when the disc rotates.

8. (Previously Presented) The processor system of claim 5, wherein said shaft is supported relative to the side walls on upper edges of levers on opposite sides of the housing, and wherein each lever is supported on a pivot and is of unequal length between the pivot and the opposite ends of the levers, such that the levers tend to rotate under gravity to engage the shaft when the levers are unrestrained from pivoting.

9. (Previously Presented) The processor system of claim 8, and a clamp screw for clamping each lever into position after the respective lever has engaged an underside of the shaft under gravity.

10. (Previously Presented) The processor system of claim 1, wherein said object is a disc that is circular in periphery, and wherein the tray has a circular recess for receiving the disc.

11. (Previously Presented) The processor system of claim 10, wherein said processor system comprises a laminator for laminating a sheet onto a disc carried by the tray into the processing station.

12. (Currently Amended) A processor system including a sensing roller assembly mounted relative to a movable conveyor that has a substrate receiver on an upper surface thereof for receiving a substrate of a known thickness, for processing, the sensing roller assembly detecting a substrate on the movable conveyor which is more than a selected distance at least partially out of the receiver to thereby project above the conveyor a greater distance than when in the receiver, an unpowered freely rotatable sensing roller, a support to rotatably mount the sensing roller spaced from the upper surface of the conveyor a distance to clear a substrate positioned in the receiver and to be engaged by a substrate at least partially out of the receiver less than the selected distance, the sensing roller being unpowered, and positioned in a path of movement of the substrate when the substrate is supported at least in part by the upper surface of the conveyor, whereby a substrate on the conveyor and at least partially out of the receiver extending above the upper surface of the conveyor more than the selected distance rotationally drives the sensing roller when the conveyor moves the substrate past the sensing roller, and a sensor to sense rotation of the sensing roller and provide an output signal when the sensing roller is rotated.

13. (Currently Amended) The processor system of claim 12, wherein said conveyor comprises a tray reciprocating in the path of movement, the tray having a recess comprising the receiver of size to receive a substrate comprising a flat substrate, and at least one projection adjacent to the recess that extends a selected distance above the upper surface of the tray to raise a portion of a substrate on the tray that has the portion positioned out of the recess above the upper surface is at least partially out of the recess.

14. (Previously Presented) The processor system of claim 13, wherein said sensing roller is mounted onto a shaft that overlies the tray.